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(71)Applicant : MATSUSHITA ELECTRIC IND CO LTD

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(72)Inventor : HONDA MICHIHARU

UEKIHARA NOBUYUKI

IZUNO CHIZUO

KISHIMOTO NAOMI

(54) MANUFACTURE OF LIGHT CONDUCTION PLATE WITH PRISM SHAPE

(57)Abstract:

PROBLEM TO BE SOLVED: To form a fine highly precise prism shape with low pressure small sized equipment by a method wherein a thermoplastic resin plate member is pinched between a pattern roller having a heater built-in and a support roller, pressurized, and a fine shape engraved on an outer peripheral surface of the pattern roller is formed by transferring onto a surface of the resin plate member.

SOLUTION: A prism shape is engraved on a surface of a pattern roller 1, and a support roller 2 and the pattern roller 1 are made to contain a heater 3. A thermoplastic resin plate 4 made an individual piece is made the individual piece by specific dimensions by high speed cutting with, for example, a rotary edge tool from the resin plate manufactured in a large plate. The pattern roller 1 and the support roller 2 respectively have a cylindrical space part capable of holding a cylinder type electric heater 3

